

TECHNICAL SPECIFICATIONS - 2

BILLS OF QUANTITY AND COSTS ESTIMATES - IT NETWORKING INFRASTRUCTURE

OWNER: SONARWA General Insurance Company Ltd

LOCATION: Plot UPI No: 1/01/06/02/51

No	Model No.	Description and Specification	Quantity	Unit	U. cost (RWF)	T. Cost (RWF)
A : NETWORKING EQUIPMENTS						
1	PATCH PANEL 24 PORTS	24 port cat6 patch panel high density patch panels are manufactured and tested to exceed Category 6 ANSI/TIA/EIA 586-B.2-1	16	No		-
2	PATCH CORDS UTP 1M	patch cords CAT6 UTP of 1 meter COPPER CATEGORY 6 UTP CABLING SYSTEM Category 6 UTP Patch Cord The Cabling solution products have been designed and manufactured to top International standards for end-to-end Category 6 UTP installations in both horizontal and backbone areas. The 4 pair UTP RJ45 patch leads are manufactured from stranded conductor cable and verified to Cat 6 TIA/EIA-568-B.2-1 standards.	300	No		-
3	PATCH CORDS UTP 3M	3 meter patch cords Cat6 , COPPER CATEGORY 6 UTP CABLING SYSTEM Category 6 UTP Patch Cord The Cabling solution products have been designed and manufactured to top International standards for end-to-end Category 6 UTP installations in both horizontal and backbone areas. The 4 pair UTP RJ45 patch leads are manufactured from stranded conductor cable and verified to Cat 6 TIA/EIA-568-B.2-1 standards.	100	No		-

4	SFTP CAT6 CABLE AICO	<p>CAT7 FTP CABLES CABLE tested to the TIA/EIA 568-B.2-1, EN50173-1 and ISO/IEC11801 Category 6 specifications. Each cable consists of 8 color coded 23AWG polyethylene insulated conductors. Specification:</p> <ul style="list-style-type: none"> - LAN cable category 6 SFTP (shielded). - Length 305m. - The wires are made of pure copper (CU 100% copper). - AWG 23 (4*2*0.58mm). - Conductor stranding: single wire. - Color: PANTONE COOL GRAY 5C. - Printed length counter at every meter of cable. - External LSZH insulation: 7.8mm. - HDPE conductor insulation: 1.38mm. - Operation up to 600Mhz. - Recommended connector / guide diameter for braided cables: 1.45 mm. 	55	No		-
5	DOUBLE DATA FACEPLATES, & ACCESSORIES	<p>Single Data socket faceplate CAT6e/CAT7 Single Gang Faceplate, when used with high performance modules (solid UTP cable, patch panels and patch cords), provides superior performance capabilities of high bandwidth applications.</p> <p>High quality plastics, White design</p> <p>Single Gang LJ6C faceplate: 85 x 85 x 8mm</p>	150	No		-

7	DATA OUTLET JACK	Data socket CAT6 JACKS outlet , Category6 shielded Tool-lessKeystone jack meets all international ANSI/TIA/EIA, ISO/IEC and CENELEC EN50173 standards networks	300	No		-
8	42U RACK Network Server Cabinet with PDU's and cooling system (core rack ,switch rack ,server rack and emagency rack)	42 U main RACK 800x1000mm ,3Network Server CabinetNetwork Elegance look, profound technical, precise dimension. Range of Medium Duty Cabinets of Durable Modular construction. 800kg maximum carrying capacity. The front door and back door are mesh door. The front door have camber and semicircle two types. Available with density vented front/rear locking double section door, enable ventilation and reliable operation. Wire path on the top and bottom can be closed. Install caster and support feet at the same time. High grade knod and lock. Wire groove with Wide cable manager on the two sides. The frame can be removed according to the requirement "U" was marked in the frame. Detachable composite structure, more convenient for being shipped.Material: SPCC quality cold rolled steelThickness: Square hole strips 2.0mm,	1	No		-
9	18U RACK Wall Mount Cabinet	RACK 18U 600x800mm with PDU and cooling system Double section wall mount rack.	5	No		-
10	RACK POWER DISTRIBUTI	APC Rack Mount PDU, Basic 200V-230V/30A, (10) Outlets, 1U Horizontal Rackmount (AP9571A)	8	No		-

11	FIBER OPTIC ODF 24 CORE RACK MOUNT in the main server room and up rack floors complete with connectors and picktail patch cords	High Quality 96 core Rack Mount ODF Fiber Optical Distribution Fram	8	No		-
12	Fiber media convetor Gigbyte	10/100/100 Base-TX to 1000Base-FX Media Converter	12	No		-
13	FIBER OPTIC PATCH CORDS FOR INTE-LINK conection OF SFP 3meter	FIBER PATCH CORDS LC single/multi-mode duplex	12	No		-
14	24 CORE FIBER in meters from main server room and floor IT is independent	24 CORE FIBER MULTIMODE FIBER Characteristics <ul style="list-style-type: none"> · Good mechanical and temperature performance · High strength loose tube that is hydrolysis resistant · Special tube filling compound ensure a critical protection of fiber · Crush resistance and flexibility · APL/PSP enhancing moisture-proof · PE sheath protects cable from ultraviolet radiation 	300	meters		-
15	Legrand trunking 50x100 with accessories	Legrand trunking 50x100 with accessories	80	No		
16	20mm Pvc pipes	20mm Pvc pipes white color with accessories bends and couplers	3,000	No		
17	Electrical cables for UPS power installation and normal power	V.O.B alfa cable	60	rolls		
18	Double UPS power socket with box and accessories	UPS power socket	150	pc		
19	double Normal power socket with box and accessories	Normal power socket	150	pc		
20	power cable 4x4 for DB supply from maim board	DB supply cable 4x4 mm	500	meters		
21	circiut breakers 20A	original breakers (legrand , hager or equivalente)	40	No		

	circiut breakers 63A 3P	original breakers (legrand , hager or equivalente)	5	No		
	circiut breakers 32 A	original breakers (legrand , hager or equivalente)	10			
	Power Distribution Board 3P 12 ways	Three Phase Power Distribution Board - 12 Way TPN - Double DoorCapacity (Amps) 63 A IP Rating IP54, IP55, IP42	5	No		
18	INSTALLATION AND ACCESSORIES standard lebeling and cable testing	INSTALLATION AND ACCESSORIES standard lebeling and cable testing	1	No		-
						-
	TOTAL PRICE					
	VAT					
	GRAND TOTAL					